

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. AMAT/3032.C6/DSM LOW K/JW	Serial No. 10/648,616
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Cheung, et al.	Confirmation No. 4378
Examiner Unknown		Filing Date August 26, 2003	Group Unknown

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
TR	A1	6,642,157	11/04/2003	Shioya, et al.	438	789	12/22/2000
	A2	6,596,655	07/22/2003	Cheung, et al.	438	789	09/19/2001
	A3	6,479,409	11/12/2002	Shioya, et al.	438	790	02/23/2001
	A4	6,340,628	01/22/2002	Van Cleemput, et al.	438	586	12/12/2000
	A5	6,331,494	12/18/2001	Olson, et al.	438	770	12/30/1999
	A6	6,153,537	11/28/2000	Bacchetta, et al.	438	763	12/22/1995
	A7	6,147,009	11/14/2000	Grill, et al.	438	780	06/29/1998
	A8	6,068,884	05/30/2000	Rose, et al.	427	255.6	04/28/1998
	A9	6,051,321	04/18/2000	Lee, et al.	428	447	10/24/1997
	A10	6,045,877	04/04/2000	Gleason, et al.	427	522	07/27/1998
	A11	5,989,998	11/23/1999	Sugahara, et al.	438	623	08/28/1997
	A12	5,554,570	09/10/1996	Maeda, et al.	437	235	01/09/1995
	A13	5,298,587	03/29/1994	Hu, et al.	528	10	12/21/1992

For Ign Patent Documents

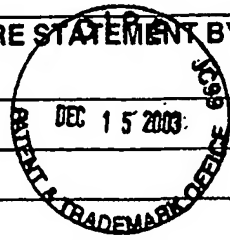
*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
	B1						<input type="checkbox"/>	<input type="checkbox"/>
	B2						<input type="checkbox"/>	<input type="checkbox"/>
	B3						<input type="checkbox"/>	<input type="checkbox"/>
	B4						<input type="checkbox"/>	<input type="checkbox"/>
	B5						<input type="checkbox"/>	<input type="checkbox"/>

OTHER ART

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
	C1	
	C2	
Examiner	Date Considered 1/26/05	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office		Docket No.	Serial No.
(PTO Form 1449 modified)		AMAT/3032.C6/DSM LOW K/JW	10/648,616
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant Cheung, et al.	Confirmation No. 4378
(Use several sheets if necessary)		Filing Date	Group
Examiner Unknown		August 26, 2003	Unknown

**U.S. Patent Documents**

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
TL	A1	6,645,883	11/11/2003	Yamamoto, et al.	438	788	03/24/2001
	A2						
	A3						
	A4						
	A5						
	A6						
	A7						
	A8						
	A9						
	A10						
	A11						
	A12						
	A13						

Foreign Patent Documents

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
	B1						<input type="checkbox"/>	<input type="checkbox"/>
	B2						<input type="checkbox"/>	<input type="checkbox"/>
	B3						<input type="checkbox"/>	<input type="checkbox"/>
	B4						<input type="checkbox"/>	<input type="checkbox"/>
	B5						<input type="checkbox"/>	<input type="checkbox"/>

OTHER ART

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
	C1	
	C2	

Examiner <i>Ther</i>	Date Considered 1/26/05
----------------------	-------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Complete If Known

Application Number	10/648,616
Filing Date	AUGUST 26, 2003
First Named Inventor	CHEUNG, ET AL.
Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/3032.C6/DSM/LOW K/JW

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	A1	US-6,790,789	09/14/2004	Grill, et al.	
	A2	US-6,770,573	08/03/2004	Grill, et al.	
	A3	US-6,755,323	06/29/2004	Grill, et al.	
	A4	US-6,660,391	12/09/2003	Rose, et al.	
	A5	US-6,583,071	06/24/2003	Weldman, et al.	
	A6	US-6,583,048	06/24/2003	Vincent, et al.	
	A7	US-6,582,777	06/24/2003	Ross, et al.	
	A8	US-6,562,690	05/13/2003	Cheung, et al.	
	A9	US-6,559,520	05/06/2003	Matsuki, et al.	
	A10	US-6,548,899	04/15/2003	Ross	
	A11	US-6,541,398	04/01/2003	Grill, et al.	
	A12	US-6,537,929	03/25/2003	Cheung, et al.	
	A13	US-6,531,714	03/11/2003	Bacchetta, et al.	
	A14	US-6,486,082	11/26/2002	Cho, et al.	
	A15	US-6,479,110	11/12/2002	Grill, et al.	
	A16	US-6,455,445	09/24/2002	Matsuki, et al.	
	A17	US 6,441,491	08/27/2002	Grill, et al.	
	A18	US 6,437,443	08/20/2002	Grill, et al.	
	A19	US-6,410,463	08/25/2002	Matsuki, et al.	
	A20	US-6,312,793	11/06/2001	Grill, et al.	
	A21	US-6,140,226	10/31/2000	Grill, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	B1	EP 1 176 226 A1	01/30/2002	Nemani, et al.		
	B2	EP 1 354 980 A1	10/22/2003	Vrtis, et al.		
	B3	WO 99/21706 A1	05/06/1999	Lee, et al.		
	B4	WO 00/19498 A1	04/06/2000	Huang		
	B5	WO 99/41423 A2	08/19/1999	Cheung, et al.		

Examiner Signature		Date Considered	11/26/05
--------------------	--	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

SEP 20 2004

Complete If Known

(Use as many sheets as necessary)

Sheet	2	of	3
-------	---	----	---

Application Number	10/648,616
Filing Date	AUGUST 26, 2003
First Named Inventor	CHEUNG, ET AL.
Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/3032.C6/DSM/LOW K/JW

[illegible][illegible]

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

SEP 20 2004

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3 of 3

Complete if Known

Application Number	10/648,616
Filing Date	AUGUST 26, 2003
First Named Inventor	CHEUNG, ET AL.
Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/3032.C6/DSM/LOW K/JW

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
π	C1	WU, ET AL. "Advanced Metal Barrier Free Cu Damascene Interconnects with PECVD Silicon Carbide Barriers for 90/65-nm BEOL Technology", 2002 IEEE, IEDM - pp. 595-598.	
π	C2	TAJIMA, ET AL. "Characterization of Plasma Polymers from Tetramethylsilane, Octamethylcyclotetrasiloxane, and Methyltrimethoxysilane" Journal of Polymer Science: Part A: Polymer Chemistry, Vol. 25 (1987) pp. 1737-1744.	

Examiner Signature	<i>Thao</i>	Date Considered	1/26/05
--------------------	-------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.